DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND APPARATUS FOR OFF BOUNDARY MEMORY ACCESS

the specification of which	is attached hereto. was filed on 02/15/2002 as	
	United States Application Number 10/076,966 or PCT International Application Number	
	and was amended on	
	(if applicable)	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

APPLICATION NUMBER	COUNTRY (OR INDICATE IF PCT)	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			□ No □ Yes
			☐ No ☐ Yes
			□ No □ Yes

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

APPLICATION NUMBER	FILING DATE	
60/271,279	02/24/2001	

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (ISSUED, PENDING, ABANDONED)
60/271,279	02/24/2001	

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Daniel J. Burns, Reg. No. 50,222; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Robert P. Cogan, Reg. No. 25,049; Donna J. Coningsby, Reg. No. 41,684; Florin Alin Corie, Reg. No. 46,244; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Michael A. DeSanctis, Reg. No. 39,957; Daniel M. DeVos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet K. Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Mark C. Farrell, Reg. No. 45,988; Thomas S. Ferrill, Reg. No. 42,532; Kyle H. Flindt, Reg. No. 42,539; George L. Fountain, Reg. No. 36,374; Angelo M. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Mark A. Goldstein, Reg. No. 50,750; Alan E. Heimlich, Reg. No. 48,808; James A. Henry, Reg. No. 41,064; Libby H. Hope, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan C. Little, Reg. No. 41,181; Julio Loza, Reg. No. 47,758; Joseph Lutz, Reg. No. 43,765; Lawrence E. Lycke, Reg. No. 38,540; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Jonathan S. Miller, Reg. No. 48,534; Richard A. Nakashima, Reg. No. 42,023; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; Michael A. Proksch, Reg. No. 43,021; William F. Ryann, Reg. No. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; Saina S. Shamilov, Reg. No. 48,266; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Ronald S. Tamura, Reg. No. 43,179; Edwin H. Taylor, Reg. No. 25,129; Lance A. Termes, Reg. No. 43,184; John F. Travis, Reg. No. 43,203; Thomas J. Treutler, Reg. No. 51,126; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Archana B. Vittal, Reg. No. 45,182; Glenn E. Von Tersch, Reg. No. 41,364; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; Linda S. Zachariah, Reg. No. 48,057; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and William E. Hickman, Reg. No. 46,771; William E. Hickman, Reg. No. 46,771; Brent E. Vecchia, Reg. No. 48,011; and Lehua Wang, Reg. No. 48,023; my patent agents, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (714) 557-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aldous, Reg. No. 31,905; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert A. Burtzlaff, Reg. No. 35,466; Richard C. Calderwood, Reg. No. 35,468; George Chen, Reg. No. 50,807; Kenneth J. Cool, Reg. No. 40,570; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagne, Reg. No. 36,142; Jeffrey B. Huter, Reg. No. 41,086; John Kacvinsky, Reg. No. 40,040; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Paul Nagy, Reg. No. 37,896; Dennis A. Nicholls, Reg. No. 42,036; Leo V. Novakoski, Reg. No. 37,198; Lanny Parker, Reg. No. 44,281; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to:
William E. Alford, Reg. No. 37,764, BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP
(Name of Attorney or Agent)
12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025 and direct telephone calls to:

William E. Alford, (714) 557-3800.

(Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature Date Da	Full Name of Sole/First Inventor (given name, family name)	Ruban Kanapathippillai	
Mailing Address 5602 Amberglen Street Dublin, California 94568 USA Full Name of Second/Joint Inventor (given name, family name) Residence Palo Alto, California USA (Citzenship India (City, State) Mailing Address 3966 Duncan Place Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Inventor's Signature Thu Nguyen Thu Nguyen Inventor's Signature Citizenship USA (City, State) Citizenship USA (City, State) Citizenship USA (City, State) (Country) Mailing Address 14277 Worden Way	Inventor's Signature L. L.	Date	5/8/02
Dublin, California 94568 USA Full Name of Second/Joint Inventor (given name, family name) Inventor's Signature Palo Alto, California USA (City, State) Mailing Address Thu Nguyen Inventor's Signature Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Inventor's Signature Palo Alto, California 94306 USA Citizenship Date: Thu Nguyen Inventor's Signature Date: Citizenship USA (City, State) Mailing Address 14277 Worden Way		Citizenship	
Inventor's Signature Palo Alto, California USA (City, State) Mailing Address 3966 Duncan Place Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Inventor's Signature Palo Alto, California USA (City, State) Date: Thu Nguyen Citizenship USA (City, State) Mailing Address 14277 Worden Way			
Inventor's Signature Palo Alto, California USA (City, State) Mailing Address 3966 Duncan Place Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Inventor's Signature Palo Alto, California USA (City, State) Date: Thu Nguyen Citizenship USA (City, State) Mailing Address 14277 Worden Way			
Residence Palo Alto, California USA (City, State) India (City, State) (Country) Mailing Address 3966 Duncan Place Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Thu Nguyen Inventor's Signature Date: S/9/D 2 Residence Saratoga California USA (City, State) (Country) Mailing Address 14277 Worden Way	ruil Name of Second/Joint Inventor (given name, family name)		Kumar Ganapathy
(City, State) (Country) Mailing Address 3966 Duncan Place Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Thu Nguyen Inventor's Signature Date: 19/0 7 Residence Saratoga California USA (City, State) (Country) Mailing Address 14277 Worden Way	Inventor's Signature 4 My	Date	5/10/02
Mailing Address 3966 Duncan Place Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Thu Nguyen Inventor's Signature Date: Citizenship USA (City, State) Mailing Address 14277 Worden Way		Citizenship	
Palo Alto, California 94306 USA Full Name of Third/Joint Inventor (given name, family name) Inventor's Signature Date: Saratoga California USA (City, State) Mailing Address 14277 Worden Way	(City, State)		(Country)
Full Name of Third/Joint Inventor (given name, family name) Inventor's Signature Date: Citizenship (City, State) Mailing Address 14277 Worden Way	Mailing Address 3966 Duncan Place		
Residence Saratoga California USA Citizeaship USA (City, State) (Country) Mailing Address 14277 Worden Way	Palo Alto, California 94306 USA		
Residence Saratogo California USA Citizenship USA (City, State) (Country) Mailing Address 14277 Worden Way	Full Name of Third/Joint Inventor (given name, family name)		Thu Nguyen
(City , State) (Country) Mailing Address 14277 Worden Way	Inventor's Signature	Date	5/8/02
Mailing Address 14277 Worden Way	Residence Saratoga California USA	Citizenship	USA
	(City, State)		(Country)
Saratoga, California 95070 USA	Mailing Address 14277 Worden Way		
	Saratoga, California 95070 USA		